

Appl. No. 10/733,108
Examiner: DWIVEDI, VIKANSHA S, Art Unit 3746
In response to the Office Action dated July 27, 2006

Date: November 27, 2006
Attorney Docket No. 10118121

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): An axial flow type cooling fan, comprising:

an upper casing;
a lower casing, attached to said upper casing and together with said upper casing enclosing an inner space;
a rotor assembly, housed in said inner space and performing a rotational movement, the rotor assembly further comprising a plurality of blades, attached to a central shaft and having and a peripheral ring encircling the blades, wherein the peripheral ring has from which a peripheral rim ~~extends outward~~ extending outward therefrom; and
a driving unit, ~~having comprising electric coils on said upper or lower casings and permanent magnets disposed on said peripheral rim and electric coils disposed on said upper or lower casings to face said permanent magnets, causing said rotational movement of said rotor assembly; wherein an increased area of air flow and consequently increased air flow are attained, while drag and noise are reduced, rotational stability is increased and a flatter shape is allowed for.~~

Claim 2 (currently amended): The axial flow type cooling fan according to claim 1, wherein said electric coils of said driving unit ~~are either~~ are mounted on said upper casing only ~~or said lower casing or both said upper casing and said lower casing.~~

Claims 3-4 (canceled)

Claim 5 (original): The axial flow type cooling fan according to claim 1, further comprising a seat in said inner space for supporting and guiding said rotor assembly.

Claim 6 (canceled)

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Claim 7 (original): The axial flow type cooling fan according to claim 1, wherein said permanent magnets are inserted in said peripheral rim of said rotor assembly.

Claim 8 (original): The axial flow type cooling fan according to claim 1, wherein said blades, said central shaft and said peripheral ring of said rotor assembly form an integral body.

Claim 9 (new): The axial flow type cooling fan according to claim 1, wherein said peripheral rim is perpendicular to said center shaft.

Claim 10 (new): The axial flow type cooling fan according to claim 9, wherein said coils are disposed on said upper casing above said permanent magnets so as to define an axis parallel to said central shaft.

Claim 11 (new): The axial flow type cooling fan according to claim 1, wherein said coils are disposed on said upper casing above said permanent magnets so as to define an axis parallel to said central shaft.

Claim 12 (new): The axial flow type cooling fan according to claim 1, wherein said electric coils of said driving unit are mounted on said lower casing only.

Claim 13 (new): The axial flow type cooling fan according to claim 1, wherein said electric coils of said driving unit are mounted on both said upper casing and said lower casing.

Claim 14 (new): The axial flow type cooling fan according to claim 1, wherein said electrical coils and said permanent magnets are arranged axially relative to said central shaft.